



1 JANUARY 1987 JOURNAL OF CLIMATE VOLUME 4

Ship Via:

Op No	Operation	Qty	Start Date	Due Date	Standard	Workcenter/Supplier	
					Setup Run Hrs Hrs	Workcenter / Supplier Lead Time	Sign-off
110	Packaging 1 - Pick Kit	3 pcs	11/29/19		0.00 0.00	Packaging 1 - 1	
						Packaging 1 - 2	
						Packaging 1 - 3	
						Packaging 1 - 4	
						Packaging 1 - 5	
						Packaging 1 - 6	
						Packaging 1 - 7	
						Packaging 1 - 8	
						Packaging 1 - 9	
						Packaging 1 - 10	
						Packaging 1 - 11	
						Packaging 1 - 12	
						Packaging 1 - 13	
						Packaging 1 - 14	
						Packaging 1 - 15	
						Packaging 1 - 16	
						Packaging 1 - 17	
						Packaging 1 - 18	
						Packaging 1 - 19	
						Packaging 1 - 20	
						Packaging 1 - 21	
						Packaging 1 - 22	
						Packaging 1 - 23	
						Packaging 1 - 24	
						Packaging 1 - 25	
						Packaging 1 - 26	
						Packaging 1 - 27	
						Packaging 1 - 28	
						Packaging 1 - 29	
						Packaging 1 - 30	

Instructions: FAA STC SR02024SE 18/10/17, TC STC LoA P.

120 QC 4	3 pcs	11/29/19	0.00 0.00	Packaging 1 - 31	
				Packaging 1 - 32	
				Packaging 1 - 33	
				Packaging 1 - 34	
				Packaging 1 - 35	
				Packaging 1 - 36	
				QC 4 - 28	
				QC 4 - 58	
				QC 4 - 69	
				QC 4 - 9	
				QC 4 - 46	
				QC 4 - 68	
				QC 4 - 72	11/25/2019
				QC 4 - 74	DAS
130 Packaging 3-1 - Stock - B4B	3 pcs	11/29/19	0.00 0.00	QC 4 - 75	78
				QC 4 - 78	9-89
				Packaging 3 - 1 - B4B	
				Packaging 3 - 2 - B4B	
				Packaging 3 - 3 - B4B	
				Packaging 3 - 4 - B4B	
				Packaging 3 - 5 - B4B	
				Packaging 3 - 6 - B4B	
				Packaging 3 - 7 - B4B	
				Packaging 3 - 8 - B4B	
				Packaging 3 - 9 - B4B	
				Packaging 3 - 10 - B4B	
				Packaging 3 - 11 - B4B	
				Packaging 3 - 12 - B4B	
				Packaging 3 - 13 - B4B	
				Packaging 3 - 14 - B4B	
				Packaging 3 - 15 - B4B	
				Packaging 3 - 16 - B4B	
				Packaging 3 - 17 - B4B	
				Packaging 3 - 18 - B4B	
				Packaging 3 - 19 - B4B	
				Packaging 3 - 20 - B4B	
				Packaging 3 - 21 - B4B	
				Packaging 3 - 22 - B4B	
				Packaging 3 - 23 - B4B	
				Packaging 3 - 24 - B4B	DAS
				Packaging 3 - 25 - B4B	78 11/25/2019
				Packaging 3 - 26 - B4B	9-89
				Packaging 3 - 27 - B4B	
				Packaging 3 - 28 - B4B	
				Packaging 3 - 29 - B4B	
				Packaging 3 - 30 - B4B	
				Packaging 3 - 31 - B4B	
				Packaging 3 - 32 - B4B	
				Packaging 3 - 33 - B4B	
				Packaging 3 - 34 - B4B	
				Packaging 3 - 35 - B4B	
				Packaging 3 - 36 - B4B	DAS
135 DC - 1 - B4B	3 pcs	11/29/19	0.00 0.00	DC - 1 - B4B	21
				DC - 2 - B4B	9-89
140 QC 21 - FG	3 pcs	11/29/19	0.00 0.00	QC 21 - FG - 21	DAS
				QC 21 - FG - 70	21
				QC 21 - SA - 53	9-89

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Part Op 120 - (QC4- 100% inspect kits for completeness)
Descriptions: 130 - Identify and pack for shipping as per PPP D119-646-313 Location:

135 - Photocopy bluefile & type labels per PPP D119-646-313 CHG002
140 - (QC21- Final Inspection - Work Order Release)

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
AN3-45A	Bolt	12 Ea (1 ea)	110-Packaging 1 - Pick Kit	51039825
AN3-47A	Bolt	18 Ea (6 ea)	110-Packaging 1 - Pick Kit	510404120
AN3-50A	Bolt	18 Ea (6 ea)	110-Packaging 1 - Pick Kit	510500016
D3904-1	Washer	18 pcs (6 ea)	110-Packaging 1 - Pick Kit	51049905
D4506-3	Washer	18 pcs (6 ea)	110-Packaging 1 - Pick Kit	51049905
D5369-1	Cable Guard	3 pcs (1 ea)	110-Packaging 1 - Pick Kit	521101510
D5371-1	Hook	3 pcs (1 ea)	110-Packaging 1 - Pick Kit	51049905
D5372-1	Plug	3 pcs (1 ea)	110-Packaging 1 - Pick Kit	51049905
D5374-1	Bushing	18 pcs (6 ea)	110-Packaging 1 - Pick Kit	51049905
D5374-3	Bushing	24 pcs (8 ea)	110-Packaging 1 - Pick Kit	51049905
D5376-1	Drilling Tool	3 pcs (1 ea)	110-Packaging 1 - Pick Kit	51049905
MS21042L3	Nut	30 Ea (10 ea)	110-Packaging 1 - Pick Kit	51049905
NAS1149D0316J	Washer	12 Ea (4 ea)	110-Packaging 1 - Pick Kit	51049905
NAS1149D0332J	Washer	54 Ea (18 ea)	110-Packaging 1 - Pick Kit	51049905

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
110-Packaging 1 - Pick Kit	AN3-45A	12	83	0
	AN3-47A	18	14	0
	AN3-50A	18	24	0
	D3904-1	18	700	0
	D4506-3	18	19	0
	D5369-1	3	6	0
	D5371-1	3	6	0
	D5372-1	3	9	0
	D5374-1	18	94	0
	D5374-3	24	28	0
	D5376-1	3	8	0
	MS21042L3	30	2,602	0
	NAS1149D0316J	12	189	0
	NAS1149D0332J	54	3,678	0

Part Specifications

Specifications could not be found.

Plex 11/7/19 3:05 PM Dart.lajeunesse.marie

Entered: _____ Date: _____

WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

Route update only ☐



NCR No. _____

Job: _____
Part No. _____

DISPOSITION

Rework ☐
Scrap ☐
Use-as-is ☐

DEPARTMENT/PROCESS

Skid-tube ☐
Machining ☐
Large Fab ☐
Cross tube ☐
Small Fab ☐
Finishing ☐
Eng. (Non-AW) ☐
Prod. Eng. Coord. ☐
Rec/Store/Packaging ☐
Engineering ☐
Water Jet ☐
Supplier ☐
Quality ☐

Date : _____ Sequence #: _____

QTY Affected : _____

MRB (QS1042)

Description Work Order Deviation

Disposition

		Completed By
		Lead hand / Supervisor
		QC / QA Coordinator

Root Cause

Operator ☐
Manufacturing Process ☐
Equip/Tooling ☐
Handling/Preservation ☐
Material ☐
Product Improvement ☐
Process Improvement ☐
Human Factors ☐

FAULT CATEGORY

☐ Pressure/Forced	☐ Contamination	☐ Power Loss/Surge
☐ Bending	☐ Misaligned/off center	☐ Folio/Program
☐ Crushing	☐ BOM/Route	☐ Grain Direction
☐ Cracks	☐ Broken/Damage/Defect	☐ Weld
☐ Crimp/Kink/Ripple/Wave/Twist	☐ Incomplete/Unclear Instructions	☐ Wrong Stock Pulled
☐ Marks/Chatter	☐ Drill Holes	☐ Out of Sequence
☐ Mislabeled	☐ Fit/Function	☐ Off-set/Set-up

☐ Positioned Wrong
☐ Outside Tolerance
☐ Drawing
☐ Finish
☐ Part Lost/Missing
☐ Misread

Other/Details:

10.0 PARTS LIST:

Qty.	Qty.	PART NUMBER	DESCRIPTION
X	-314	D119-646-313	SKIDTUBE PROTECTOR, LH
	X	D119-646-314	SKIDTUBE PROTECTOR, RH
	6		WASHER
	6		WASHER
			CABLE GUARD, LH
	1	D5369-2	CABLE GUARD, RH
			HOOK, LH
	1		HOOK, RH
	1		PLUG
	6		BUSHING
	8		BUSHING
	1		DRILLING JIG
	4		BOLT
	6		BOLT
	6		BOLT
	18	NAS1149D0500	WASHER
	4	NAS1149D05100	WASHER
	10	M0210122	NUT

11.0 WEIGHT AND BALANCE

The following weight and balance changes are applicable:

Installation	Weight	LONGITUDINAL		LATERAL	
		Arm	Moment	Arm	Moment
D119-646-313 SKIDTUBE PROTECTOR, LH ON STANDARD SKIDTUBE	4.3 lb 1.95 kg	108.1 in 2.74 m	465 in-lb 5.3 kg-m	-43.4 in -1.1 m	-187 in-lb -2.2 kg-m
D119-646-314 SKIDTUBE PROTECTOR, RH ON STANDARD SKIDTUBE	4.3 lb 1.95 kg	108.1 in 2.74 m	465 in-lb 5.3 kg-m	43.4 in 1.1 m	187 in-lb 2.2 kg-m
D119-646-313 SKIDTUBE PROTECTOR, LH ON FLOAT SKIDTUBE	1.8 lb 0.72 kg	133.3 in 3.38 m	213 in-lb 2.4 kg-m	-43.4 in -1.1 in	-69 in-lb -0.8 kg-in
D119-646-314 SKIDTUBE PROTECTOR, RH ON FLOAT SKIDTUBE	1.6 lb 0.72 kg	133.3 in 3.38 m	213 in-lb 2.4 kg-m	43.4 in 1.1 in	69 in-lb 0.8 kg-in

APPROVED

DESIGN	RF	DART AEROSPACE USA, INC.	
DRAWN	MW	EUGENE, OR	
CHECKED	ZF	DRAWING NO.	REV. D
MFG. APPR.	N/A	DSI 9734	SHEET 8 OF 15
APPROVED	NO	TITLE	SCALE
DE APPR.	DS	SKIDTUBE PROTECTOR KIT	NTS
DATE	18.08.24	COPYRIGHT © 2015 BY DART AEROSPACE USA, INC.	
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